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## PATENT ABSTRACTS OF JAPAN

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## (54) DRILLING TOOL

(57) Abstract:

**PROBLEM TO BE SOLVED:** To make continuation of drilling possible even in case of a drilling tool being damaged during drilling regarding the drilling tool drilling while covering the hole wall of a drilled hole with a casing.

**SOLUTION:** The tip of a device provided at the tip of a rod 10 axially inserted through in a cylindrical casing 11 is provided with blocks 14 formed in almost the same diameter as the device 12 and provided with tips 15 planted in the tip faces, oscillatably so that the blocks 14 are partially protruded by the specified drilling quantity from the outer peripheral surface of the casing 11 at the time of protruding the blocks 14 from the tips of the casing 11 and rotating the device 12 in a drilling rotating direction. A clearance for the passage of drilled debris is provided between the device 12 and the casing 11. The rod 10 is provided with a screw 16 spirally along the axis of the rod 10 so as to convey the drilled debris to the base end side in association with the rotation of the rod 10.

